

AeroSpace Environmental Traveling Exhibit

MISSION STATEMENT

Increase overall awareness of Glenn's research, investments, and achievements for a better future and a better life.

The AeroSpace Environmental Traveling Exhibit is a mobile educational vehicle for "spreading the word" in the area of environmental protection aspects of our aeronautics programs and other areas of research being done at the Glenn Research Center at Lewis Field in Cleveland, Ohio.

The 'AeroSpace Bus', as it is otherwise known, is contained within a 40-ft long bus. Videos shown inside tell the story about the relevance of aeronautical work and other research at Glenn. The exhibit is geared toward the adult visitors; however, many children also have had great experiences with the exhibit.

The idea of an exhibit bus evolved from a desire to have a highly mobile exhibit that could be set up in 5 minutes or less, and create a lasting and memorable experience for the audience. Since its debut in August 1998, its creator and current Program Manager have increased the program to include 12 volunteer drivers with CDL's and a program coordinator. The bus has attended over 200 events and over 100,000 visitors have been on board.

The AeroSpace Bus is a 40-ft long by 12-ft 3-in high by 9-ft wide converted 1977 Eagle bus. Its is powered by a V-8 Detroit diesel engine with an Allison automatic transmission. B-20, biodiesel is the preferred fuel used. It features a 42-in plasma screen video theatre display with Hi-Fi stereo sound. In addition to technical videos, there are also videos about living in space ranging in length from 10 to 20 min. that are geared toward the younger audience.

The exhibit seats 17 passengers in comfortable luxurious rotating and reclining flex-steel-designed captain chairs. The mobile exhibit has three roof air conditioner/heater units for visitor comfort. **Please Note:** The bus is not able to attend events more than 600 miles from Ohio.

Power Requirements: The bus has two 100-ft cords with the plug pin layout shown in the picture below. One is an 110V, 20-amp plug and the other is a 250V, 50 amp single-phase plug. The outlets need to match the plugs shown below. If no power sources are available at the site, the bus can be powered by two onboard generators.

This bus is dedicated to the men and women who work at the NASA Glenn Research Center.

Past events in Ohio include:

Cleveland Air Show
City of Brookpark Homecoming Days Event
Youngstown State University Earth Day Festival
Dayton Air Show
EarthFest at the Cleve. Metro Park Zoo
North Royalton Camp Cheerful
Mesopotamia Rangers Science Summer Camp
Wadsworth Skypark Annual Summer Celebration
Canton-Akron MAPS Air Show
Vermilion Woolly Bear Festival
Hinckley Buzzard Day
Perry Career Fair

Past events outside of Ohio: **Please Note:** The bus is not able to attend events more than 600 miles from Ohio.

Buccaneer Space Camp, Buckhannon, WV
Anna S. Kuhl Elementary School, Port Jervis, NY
Rockets for Schools, Sheboygan WI
Several public libraries in IL
Elementary School, Space Day, Mt. Olive, IL
Marble Hill, MO

Visit our web site to view the schedule and access the bus request form at: <http://aerobus.grc.nasa.gov>

NASA Glenn Research Center at Lewis Field, 21000 Brookpark Road, M.S. 6-4, Cleveland, OH 44135

Daniel White, Program Manager (216) 433-3103

To request the bus contact Sandra Jacobson by email {Sandra.E.Jacobson.nasa.gov} Program Coordinator
or Work: (216) 433-3020, Fax: 216-433-8719